SEQUENCE LISTING

<110> Strittmatter, Stephen <120> Modulators and Modulation of the Interaction Between RGM and Neogenin <130> 23380-602NATL <140> 10/519,132 <141> 2003-06-23 <150> PCT/US03/20147 <151> 2003-06-26 <150> 60/392,062 <151> 2002-06-26 <160> 2 <170> PatentIn version 3.2 <210> 1 <211> 1445 <212> PRT <213> Homo sapiens <400> 1 Met Ala Ala Glu Arg Glu Ala Gly Arg Leu Leu Cys Thr Ser Ser Ser Arg Arg Cys Cys Pro Pro Pro Pro Leu Leu Leu Leu Pro Leu Leu 25 20 Leu Leu Gly Arg Pro Ala Ser Gly Ala Ala Ala Thr Lys Ser Gly 35 Ser Pro Pro Gln Ser Ala Gly Ala Ser Val Arg Thr Phe Thr Pro Phe 50 55 Tyr Phe Leu Val Glu Pro Val 'Asp Thr Leu Ser Val Arg Gly Ser Ser 70 65 Val Ile Leu Asn Cys Ser Ala Tyr Ser Glu Pro Ser Pro Asn Ile Glu Trp Lys Lys Asp Gly Thr Phe Leu Asn Leu Glu Ser Asp Asp Arg Arg

105

100

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345

350

- Ile Val Phe Glu Cys Glu Val Thr Gly Lys Pro Thr Pro Thr Val Lys 370 375 380
- Trp Val Lys Asn Gly Asp Val Val Ile Pro Ser Asp Tyr Phe Lys Ile 385 390 395 400
- Val Lys Glu His Asn Leu Gln Val Leu Gly Leu Val Lys Ser Asp Glu 405 410 415
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- Gly Ala Gln Leu Ile Ile Leu Glu His Ala Pro Ala Thr Thr Gly Pro 435 440 445
- Leu Pro Ser Ala Pro Arg Asp Val Val Ala Ser Leu Val Ser Thr Arg 450 455 460
- Phe Ile Lys Leu Thr Trp Arg Thr Pro Ala Ser Asp Pro His Gly Asp 465 470 475 480
- Asn Leu Thr Tyr Ser Val Phe Tyr Thr Lys Glu Gly Val Asp Arg Glu 485 490 495
- Arg Val Glu Asn Thr Ser Gln Pro Gly Glu Met Gln Val Thr Ile Gln 500 505 510
- Asn Leu Met Pro Ala Thr Val Tyr Ile Phe Lys Val Met Ala Gln Asn 515 520 525
- Lys His Gly Ser Gly Glu Ser Ser Ala Pro Leu Arg Val Glu Thr Gln 530 535 540
- Pro Glu Val Gln Leu Pro Gly Pro Ala Pro Asn Ile Arg Ala Tyr Ala 545 550 555 560
- Thr Ser Pro Thr Ser Ile Thr Val Thr Trp Glu Thr Pro Leu Ser Gly 565 570 575

Asp Lys Glu Gln Asp Ile Asp Val Ser Ser His Ser Tyr Thr Ile Asn Gly Leu Lys Lys Tyr Thr Glu Tyr Ser Phe Arg Val Val Ala Tyr Asn Lys His Gly Pro Gly Val Ser Thr Gln Asp Val Ala Val Arg Thr Leu Ser Asp Val Pro Ser Ala Ala Pro Gln Asn Leu Ser Leu Glu Val Arg Asn Ser Lys Ser Ile Val Ile His Trp Gln Pro Pro Ser Ser Thr Thr Gln Asn Gly Gln Ile Thr Gly Tyr Lys Ile Arg Tyr Arg Lys Ala Ser Arg Lys Ser Asp Val Thr Glu Thr Leu Val Thr Gly Thr Gln Leu Ser Gln Leu Ile Glu Gly Leu Asp Arg Gly Thr Glu Tyr Asn Phe Arg Val Ala Ala Leu Thr Val Asn Gly Thr Gly Pro Ala Thr Asp Trp Leu Ser Ala Glu Thr Phe Glu Ser Asp Leu Asp Glu Thr Arg Val Pro Glu Val Pro Ser Ser Leu His Val Arg Pro Leu Val Thr Ser Ile Val Val Ser Trp Thr Pro Pro Glu Asn Gln Asn Ile Val Val Arg Gly Tyr Ala Ile Gly Tyr Gly Ile Gly Ser Pro His Ala Gln Thr Ile Lys Val Asp Tyr

Asn Gly Glu Ile Gln Asn Tyr Lys Leu Tyr Tyr Met Glu Lys Gly Thr

Lys Gln Arg Tyr Tyr Thr Ile Glu Asn Leu Asp Pro Ser Ser His Tyr 805 810 815

Val Ile Thr Leu Lys Ala Phe Asn Asn Val Gly Glu Gly Ile Pro Leu 820 825 830

Tyr Glu Ser Ala Val Thr Arg Pro His Thr Val Pro Asp Pro Thr Pro 835 840 845

Met Met Pro Pro Val Gly Val Gln Ala Ser Ile Leu Ser His Asp Thr 850 855 860

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Val Asn Ala Glu Ile His Asp Trp Val Ile Glu Pro Val Val Gly Asn 995 1000 1005

Arg Leu Thr His Gln Ile Gln Glu Leu Thr Leu Asp Thr Pro Tyr 1010 1015 1020

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